In the Specification

Please replace the paragraph beginning at page 1, line 5, with the following rewritten paragraph:

-- The following U.S. patent applications filed concurrently herewith are assigned to the same assignee hereof and contain subject matter related, in certain respects, to the subject matter of the present application, the teachings of which applications are incorporated herein by this reference:

~~Serial No. 09/_____,~~ Serial No. 09/657,215, entitled "System and Method for Clustering Servers for Performance and Load Balancing"~~, assignee docket END9-2000-0104-US1~~;

~~Serial No. 09/_____,~~ Serial No. 09/657,216, entitled "System and Method for Front End Business Logic and Validation"~~, assignee docket END9-2000-0105-US1~~;

~~Serial No. 09/_____,~~ Serial No. 09/657,217, entitled "System and Method for Data Transfer With Respect to External Applications"~~, assignee docket END9-2000-0106-US1~~;

Serial No. 09/~~_____~~, Serial No. 09/656,037, entitled

"System and Method for Providing a Relational Database

Backend"~~, assignee docket END9-2000-0107-US1~~;

Serial No. 09/~~_____~~, Serial No. 09/656,803, entitled

"System and Method for Providing a Role Table GUI via

Company Group"~~, assignee docket END9-2000-0108-US1~~;

Serial No. 09/~~_____~~, Serial No. 09/656,967, entitled

"System and Method for Populating HTML Forms Using

Relational Database Agents"~~, assignee docket END9-2000-0109-~~

~~US1~~;and

Serial No. 09/~~_____~~, Serial No. 09/657,195, entitled

"System and Method for Providing an Application Navigator

Client Menu Side Bar"~~, assignee docket END9-2000-0111-US1~~. ‑

‑.

**Please replace the paragraph beginning at page 5, line 1,
with the following rewritten paragraph:**

-- A requisition catalog for use in a web environment

requires a very large database, such as an IBM DB2 Version 5

database, and the functionality provided by, for example, a

Lotus Notes Release 5 server. However, a Lotus Notes access

control list (ACL) can not be used control access to an IBM

DB2 database, and the privileges on a DB2 table can be

granted only by the table instance owner. Additionally,

since Notes agents which access DB2 <u>databases</u> are running

from a Notes server, the Notes server ID often has full

access to all tables, and there is no way to limit that.

That is, in a hybrid (Notes/DB2) environment, the user ID

which accesses DB2 tables is the ID of the Notes server.

Therefore, <u>it</u> can't restrict access by a user to the DB2

tables. There is a need in the art for a system and method

which allows certain users access to certain data in certain

selected tables. That is, there is needed a system and

method for providing very flexible access to DB2 tables

without requiring database administrator (DBA) involvement

to issue grants against the tables, and bypassing the

problem caused by Notes agents all coming from the same user

(the Notes server ID).--.

**Please replace the paragraph beginning at page 5, line 21,
with the following rewritten paragraph:**

--   In a hybrid requisition catalog system for use in a web

environment, much of the application data is stored in, for

example, IBM DB2 tables. However, a web interface written

in Java script and in HTML does not have functionality for connecting to a DB2 server and reading data from DB2 tables. No function is provided in Java script and in HTML to connect to or access such a database. It is not presently possible to make the connection by connecting to the database and executing SQL queries. Consequently, there is a need in the art for a system and method utilizing an existing infrastructure including Lotus Notes, Domino Go, and DB2 to combine HTML and Java script web presentation with DB2 data.--.

Please add the following paragraph at page 10 after line 13:

-- Domino, IBM, the IBM Logo, Lotus, Notes, DB2 are trademarks of International Business Machines Corporation in the United States, other countries, or both.--.

Please replace the paragraph beginning at page 10, line 15, with the following rewritten paragraph:

-- A system and method for publishing a catalog. A flat file catalog is received ~~via EDI a supplier~~ via electronic data interchange (EDI) from a supplier and loaded into a ~~DB2 staging table~~ relational database staging table. A buyer is

granted audit control over selected fields in the staging

table catalog, access to other fields is restricted. A ~~DB2~~

~~production table~~ relational database production table is

updated from the ~~DB2 staging table~~ relational database

staging table; and user read access is granted to ~~the DB2~~

relational database production table.--.

Please replace the paragraph beginning at page 20, line 1,

with the following rewritten paragraph:

--   Technologies utilized in building Req/Cat Web include

the following: Domino.Go 104 provides a proxy passing

function and caching facility. Lotus Notes/Domino ~~is used~~

~~for its~~ applications are used for their security and

workflow capabilities. DB2 ~~provides~~ applications provide

rich relational database functions and data management.

Net.Data is used for its catalog searching functionality.

Javascript is used for GUI presentation and data

verification. Req/Cat Web application code sits on DFS 118,

on the Domino cluster servers 112, and on Domino application

server 114.--.

-- Referring to Figure 6, for ZIP code validation, when a purchaser access RCW, a user profile 130 is accessed. Profile 130 includes many defaults, one of which is delivery information (defaulted to all line items of requisition). One of the fields in profile 130 is ZIP code. When the purchaser enters his ZIP code, RCW searches ZIP code database 134, a database for ZIP codes which is fed periodically, say nightly, from the enterprise tax system 136. This same validation routine continues by creating a requisition 132 with item options, including deliver to information with a zip code field. The requester can change the deliver to information, 132, but any time it is changed, the ZIP code is checked against ZIP code database 134. Whereas previously, customer input of ZIP code was accepted without checking. By this invention, ZIP code validation is performed at the front end by a java or SQL program call to ~~db2 database~~ DB2 database 134. Responsive to entry of ZIP code on a requisition or to the changing of delivery information which includes ZIP code on a requisition line item, the ZIP code is validated against a database of valid ZIP codes. In an alternative embodiment, the ZIP code

database is refreshed from a trusted source, and the entered
or changed ZIP code is checked for valid match with respect
to state and city.--.

**Please replace the paragraph beginning at page 32, line 11,
with the following rewritten paragraph:**

--   Normally, Notes saves all data as documents. There is
a save method provided for that purpose. In accordance with
a preferred embodiment of the invention, the Notes save
method is intercepted and stopped, and execution passed to
Req/Cat Web code for saving data ~~to DB2~~ a DB2 database. In
the same way, execution of a Notes open method is
intercepted and stopped, and then Req/Cat Web code executed
to pull information in ~~from DB2~~ from the DB2 database. --.

**Please replace the paragraph beginning at page 33, line 1,
with the following rewritten paragraph:**

--   In accordance with the preferred embodiment of the
invention, saveoptions is set to zero, and webquerysaveagent
used to save data ~~in DB2~~ in a DB2 database. The

webquerysaveagent is written in Lotus Script, and calls
Lotus Script extensions and also can also call its own APIs
200, 202, including the database api's 208. At this point,
Req/Cat Web haves full control, and can save one or many
tables, can explode the data model and write many tables.--.

**Please replace the paragraph beginning at page 33, line 9,
with the following rewritten paragraph:**

--   On the other side, instead of editing an existing
document as is done with Notes, Req/Cat Web executes
createnewdocument. As the document opens, Lotus Notes gives
the query webqueryopenagent, and this is also written in
Lotus Script, which has access to data base api's 202, where
data from many database 210 tables may be read to construct
a Lotus document from DB2 <u>data</u>.--.

**Please replace the paragraph at page 36, lines 3-11, with
the following rewritten paragraph:**

--   DAPIUserProfile 226 is a class for retrieving or
updating information about an employee. It extends DB2Base
224 so the application 204 developer would not have to write

END920000110US1   9   S/N 09/657,196

the logic to access DB2 database 210, but could concentrate
on the information about the employee. The DAPI 202
developer would need to know about the employee table (table
and field names, for example) and would implement methods
for selecting and displaying data. In an exemplary
embodiment, DAPIUserProfile class methods include the
following:

260   selectEmployeeByEmplID(employeeID,companyCode,
      countryCode)

261   selectEmployeeByWebID(employeeWebID)

262   selectEmployeeBothWays(employeeID,companyCode,
      countryCode,employeeWebID)

263   selectEmployeeByName(lastName,firstName)

264   insertEmployee(columnNames,DB2ColumnValues)

265   updateEmployeeByEmpID(employeeID,
      employeeCompanyCode,employeeCountryCode,
      UpdateNameValues...)

266   updateEmployeeByWebID(employeeWebID,
      UpdateNameValues,UpdateByUserID)

267   deleteEmployeeByEmpID(employeeID,companyCode,
      countryCode,UpdateByUserID)

268   deleteEmployeeByWebID(employeeWebID,
      UpdateByUserID)

269   deleteEmployeesWhere(Condition, UpdateByUserID)

270   clearTable()

--.

Please replace the paragraph beginning at page 43, line 16, with the following rewritten paragraph:

--   Implementation of the invention involves several code procedures: there is a program 384 which loads a file 314 that is received via EDI into a table 392 ~~in DB2~~ in the DB2 application. There are routines 388 which allow a buyer 400 to browse certain catalogs in the staging table 392 and change certain fields while being inhibited from changing others. And there are the routines 386 which take the approved catalog and migrate the data from the staging DB2 table 392 to the production DB2 table 394. Table 7 is an example of one such routine. --.

Please replace the paragraph beginning at page 46, line 15, with the following rewritten paragraph:

--   After the buyer has used GUI 370 to make the values in staging table 362 acceptable, he sets the flag in staging

table 360 which allows migration procedure 350 to run to
move data from staging table 362 into production table 368,
a relational database, such as Net Commerce (NC) or IBM DB2
databases.--.

A13

**Please replace the paragraph beginning at page 47, line 8,
with the following rewritten paragraph:**

--   Everything in Lotus Notes, even code, is in documents
which require access control list (ACL) controls on access.
Consequently, the preferred embodiment of the invention uses
Notes ACLs to access code. However, when accessing data, a
role table 420 (see Figure 19) is used to build roles and
permissions, and an object model is provided to generically
access data from database 210, thus extending Notes to
access a non-Notes data source 210. In order to configure a
DB2 database to work in a Notes application environment, a
single sign off is provided after getting through Notes code
ACLs. This does not involve use of ~~any of DB2's~~ any DB2
role tables and grants, but rather a single web ID 434 known
to the Notes code to access the DB2 data. --.

A14

Please replace the paragraph beginning at page 48, line 5, with the following rewritten paragraph:

-- Any person at a browser 100 attempting to access a row in a DB2 table 390 must pass the role table 420 check. Further, for accessing a supplier table in DB2 <u>database</u> 390, anyone can view the list of suppliers in the application that applies to the requesters country, but only the country administrator can update them.--.

A15

Please replace the paragraph beginning at page 50, line 8, with the following rewritten paragraph:

-- The invention allows a person's access to DB2 tables to be limited by the contents of a second ~~db2 table~~ <u>DB2 table</u> rather than the grants issued by the DBA. In the Notes environment of the preferred embodiment of the invention, the ID which is actually granted the authority to the table is the Notes Server machine since the server accessing ~~the~~ ~~db2 tables~~ <u>the DB2 tables</u> is the Notes server. Since the user web id is once removed, this provides a mechanism for applying a level of authority to the user to then apply to the ~~db2 table~~ <u>DB2 table</u>. That mechanism is the role table.-

A16

-.

Please replace the paragraph beginning at page 54, line 2, with the following rewritten paragraph:

-- In accordance with a preferred embodiment of the invention, in a Notes/DB2 hybrid environment, a Notes agent reads data from a DB2 table, and then dynamically populates that data to an HTML page. In this manner, an the existing infrastructure (including Notes, Domino Go, and DB2 applications) is used to combine HTML and Java script web presentation with DB2 data.--.

A17

Please replace the paragraph beginning at page 55, line 1, with the following rewritten paragraph:

-- Referring to Figure 20, Notes agents 440 are used as intermediaries. Each such agent 440 reads DB2 tables 390, collects data using SQL select statements, and builds web page 442 dynamically, writing out the Java script and HTML to present the page on a Web browser, such as Web browser 100. The results of ~~the DB2 searches~~ the searches of DB2

A18

<u>data</u> also helps to determine which HTML needs to be written,
something which standard HTML cannot handle. Thus,
conditional logic may be used.--.

**Please replace the paragraph beginning at page 55, line 10,
with the following rewritten paragraph:**

--   A plurality of agents 440 are provided. The premise is
the same in all: figure out who is asking, and then tailor
what is shown by what they are authorized to see. The
example of ~~Table YY~~ <u>Table 5</u> is the supplier profile agent.--

**Please replace the paragraph beginning at page 55, line 15,
with the following rewritten paragraph:**

--   This process makes use of the Notes connection function
lsx:lc. This Lotus Script connection is a built in API for
connectivity to relational databases. The lsx:lc connector
is a Lotus provided API which allows connection to DB2
<u>applications</u>.--.

Please replace the paragraph beginning at page 56, line 5, with the following rewritten paragraph:

--   To make and use this preferred embodiment of the invention, the following is done:

1.   Use the Lotus Script lsx:lc connector <u>to</u> connect to <u>the</u> DB2 <u>application</u>.

2.   Depending on the DB2 table being read and the functions required, write functions to Create, Read, Update, and Delete with respect to the DB2 table.

3.   Write the HTML to display the page, and then have the Notes agent 440 Print these HTML commands to the browser so that they appear in a meaningful presentation to the end user.

4.   Use conditional logic to change the look of the page 442 based on the results of the DB2 390 lookups.--.

Please replace the paragraph beginning at page 72, line 20, with the following rewritten paragraph:

A22

-- It is an advantage of the invention that there is
provided a system and method utilizing an existing
infrastructure including Lotus Notes, Domino Go, and DB2
<u>applications</u> to combine HTML and Java script web
presentation with DB2 data.--.